



00558852.TXT
SEQUENCE LISTING

<110> Chain, Benjamin
<120> CHIMERIC PEPTIDES AS IMMUNOGENS, ANTIBODIES THERETO, AND METHODS
FOR IMMUNIZATION USING CHIMERIC PEPTIDES OR ANTIBODIES
<130> 20555/1203433-US1
<140> 09/731,899
<141> 2000-12-08
<150> 60/169,687
<151> 1999-12-08
<160> 27
<170> PatentIn version 3.3
<210> 1
<211> 59
<212> PRT
<213> Homo sapiens
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Glu Val Lys Met Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val
1 5 10 15

His His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys
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Gly Ala Ile Ile Gly Leu Met Val Gly Gly Val Val Ile Ala Thr Val
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Ile Val Ile Thr Leu Val Met Leu Lys Lys Lys
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Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
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Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
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Gly Leu Met Val Gly Gly Val Val
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 <222> (1)..(1)
 <223> Xaa is L-Asp, D-Asp, or L-iso Asp

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Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
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Gly Leu Met Val Gly Gly Val Val Ile Ala
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Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
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Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
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Gly Leu Met Val Gly Gly Val Val Ile Ala Thr
 35 40

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Xaa Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys Leu Val
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Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu
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Met Val Gly Gly Val Val Ile Ala
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Asn Lys Gly Ala Ile Ile Gly Leu Met Val Gly Gly Val Val Ile Ala
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 <213> Homo sapiens

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Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
 1 5 10 15

Gly Leu Met Val Gly Gly Val Val Ile Ala
 20 25

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Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu
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<210> 9
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<400> 9

Phe Phe Leu Leu Thr Arg Ile Leu Thr Ile Phe Gln Ser Leu Asp
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<211> 30
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<213> Pertussis toxin bacteria

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Lys Lys Leu Arg Arg Leu Leu Tyr Met Ile Tyr Met Ser Gly Leu Ala
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Val Arg Val His Val Ser Lys Glu Glu Gln Tyr Tyr Asp Tyr
20 25 30

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<213> Tetanus toxin bacteria

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Lys Lys Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu
1 5 10 15

Leu

<210> 12
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<213> Tetanus toxin bacteria

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Lys Lys Phe Asn Asn Phe Thr Val Ser Phe Trp Leu Arg Val Pro Lys
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Val Ser Ala Ser His Leu
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<210> 13
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<213> Pertussis toxin bacteria

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Tyr Met Ser Gly Leu Ala Val Arg Val His Val Ser Lys Glu Glu
1 5 10 15

<210> 14
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<212> PRT
<213> Tetanus toxin bacteria

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Tyr Asp Pro Asn Tyr Leu Arg Thr Asp Ser Asp Lys Asp Arg Phe Leu
Page 4

1 5 10 15

Gln Thr Met Val Lys Leu Phe Asn Arg Ile Lys
20 25

<210> 15
<211> 24
<212> PRT
<213> Pertussis toxin bacteria

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Gly Ala Tyr Ala Arg Cys Pro Asn Gly Thr Arg Ala Leu Thr Val Ala
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Glu Leu Arg Gly Asn Ala Glu Leu
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<210> 16
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<213> Measles virus

<400> 16

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1 5 10 15

<210> 17
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Gly Ile Leu Glu Ser Arg Gly Ile Lys Ala Arg Ile Thr His Val Asp
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Thr Glu Ser Tyr
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<210> 18
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<400> 18

Trp Val Arg Asp Ile Ile Asp Asp Phe Thr Asn Glu Ser Ser Gln Lys
1 5 10 15

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Asp Val Ser Thr Ile Val Pro Tyr Ile Gly Pro Ala Leu Asn His Val
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<212> PRT

<213> Chlamydia trachomatis

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Thr Thr Tyr Leu Lys Glu Asn Ser
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<213> Diphteria toxin bacteria

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Asp Ser Glu Thr Ala Asp Asn Leu Glu Lys Thr Val Ala Ala Leu Ser
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Ile Leu Pro Gly Ile Gly Cys
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<211> 39

<212> PRT

<213> Diphteria toxin bacteria

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Glu Glu Ile Val Ala Gln Ser Ile Ala Leu Ser Ser Leu Met Val Ala
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Gln Ala Ile Pro Leu Val Gly Glu Leu Val Asp Ile Gly Phe Ala Ala
20 25 30

Thr Asn Phe Val Glu Ser Cys
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<210> 23

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<212> PRT

<213> Plasmodium falciparum

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Asp Ile Glu Lys Lys Ile Ala Lys Met Glu Lys Ala Ser Ser Val Phe
1 5 10 15

Asn Val Val Asn Ser
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<210> 24
<211> 16
<212> PRT
<213> Schistoma mansonii

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Lys Trp Phe Lys Thr Asn Ala Pro Asn Gly Val Asp Glu Lys Ile Arg
1 5 10 15

<210> 25
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<213> Escherichia coli

<400> 25

Gly Leu Gln Gly Lys Ile Ala Asp Ala Val Lys Ala Lys Gly
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<212> PRT
<213> Escherichia coli

<400> 26

Gly Leu Ala Ala Gly Leu Val Gly Met Ala Ala Asp Ala Met Val Glu
1 5 10 15

Asp Val Asn

<210> 27
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<400> 27

Ser Thr Glu Thr Gly Asn Gln His His Tyr Gln Thr Arg Val Val Ser
1 5 10 15

Asn Ala Asn Lys
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